

Sequence Listing

- (1) Name of Applicant: DNAVEC RESEARCH INC.
- (2) Title of the Invention: Vectors for Treating Cancer
- (3) Reference Number: D3-906PCT
- (4) Application Number:
- (5) Filing Date:
- (6) Country where the priority application was filed and the application number of the application: Japan, No. Hei 9-223651
- (7) Priority date: August 20, 1997
- (8) Number of Sequences: 28

SEQ ID NO: 1:

SEQUENCE LENGTH: 28

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 1

GATCTCTCGA GCCCGGGGGT ACCGCATG

28

SEQ ID NO: 2:

SEQUENCE LENGTH: 20

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 2

CGGTACCCCC GGGCTCGAGA

20

SEQ ID NO: 3:

SEQUENCE LENGTH: 32

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

09/486086

32

32

46

45

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 7

TCCCTCGAGA CGCGTAAGCT TTATTGCGGT AGTTTATCA

39

SEQ ID NO: 8:

SEQUENCE LENGTH: 39

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 8

TCCGAGCTCC GGCCGAGTAC TCTAGCCTTA AGAGCTGTA

39

SEQ ID NO: 9:

SEQUENCE LENGTH: 36

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 9

TCCGAGCTCC ACGTGCTGTG CCTTCTAGTT GCCAGC

36

SEQ ID NO: 10:

SEQUENCE LENGTH: 46

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 10

TCCAGATCTG TTAAACGGC GCGCCAAAGC CCCAAAAACA GGAAGA

46

SEQ ID NO: 11:

SEQUENCE LENGTH: 68

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

09433085-091401

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 11

TGAAAGCTTC GGCCGCCACC ATGCCCAAGA AGAAGCGCAA GGTGTCCAAT TTACTGACCG 60  
TACACCAA 68

SEQ ID NO: 12:

SEQUENCE LENGTH: 33

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 12

TCCGAGCTCC TAATCGCCAT CTTCCAGCAG GCG 33

SEQ ID NO: 13:

SEQUENCE LENGTH: 37

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 13

AGCTTCTAGA CAGCCAGACT GCCTTCCGGG TCACTGC 37

SEQ ID NO: 14:

SEQUENCE LENGTH: 27

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 14

GTTCTAGACC CCATGTAATA AAAGGTG 27

SEQ ID NO: 15:

SEQUENCE LENGTH: 55

SEQUENCE TYPE: nucleic acid

0945086-091401

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 15

55

SEQUENCE LENGTH: 33

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 16

33

SEQUENCE LENGTH: 41

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 17

41

SEQUENCE LENGTH: 47

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

**TOPOLOGY:** linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 18

47

SEQUENCE LENGTH: 47

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 19

AATTCATAAC TTCGTATAGC ATACATTATA CGAAGTTATC CCGGGGC

47

SEQ ID NO: 20:

SEQUENCE LENGTH: 47

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 20

GGCCGCCCCG GGATAACTTC GTATAATGTA TGCTATACGA AGTTATG

47

SEQ ID NO: 21:

SEQUENCE LENGTH: 58

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 21

GGCCGCGTCG ACATAACTTC GTATAGCATA CATTATACGA AGTTATACTA GTCCTGCA

58

SEQ ID NO: 22:

SEQUENCE LENGTH: 50

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 22

GGACTAGTAT AACTTCGTAT AATGTATGCT ATACGAAGTT ATGTCGACGC

50

SEQ ID NO: 23:

SEQUENCE LENGTH: 35

SEQUENCE TYPE: nucleic acid

09485033-091401

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 23

35

SEQUENCE LENGTH: 48

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

**TOPOLOGY:** linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 24

48

SEQUENCE LENGTH: 33

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

**TOPOLOGY:** linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 25

33

SEQUENCE LENGTH: 33

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

**TOPOLOGY:** linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 26

33

SEQUENCE LENGTH: 39

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 27

TGAGCCCGGG CCGCCACCAT GGCTTCGTAC CCCTGCCAT

39

SEQ ID NO: 28:

SEQUENCE LENGTH: 39

SEQUENCE TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acids, synthetic DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 28

TCCTACTAGT GCGGCCGCTC AGTTAGCCTC CCCCATCTC

39

09486085.001401